PESTS THREATEN GARDEN SUCCESS

Specialists Advise Use of All Preventive Measures Possible as Best Plan.

HAVE SOIL DEEPLY PLOWED

Rotation of Crops His Been Found by Many Farmers to Be Excellent Means of Controlling Disease and Harmful Intests.

Obspared to the Ortic States Department of Astro-City

Protection that the work are blacked until the critical interval a series if States whether and harries may arpear this unless they are contralled. will destroy has bud it a table of the garden. Married has brook implicite. distinct of the Land Patrick Sports They must not stor fact, bookever, that precently assertive are

was the panels, as accommoded builds, gets unless shade. Hot somight is date are to now a present major of become Hig diseased than store that receive Blesty of sir and kin-line.

Rotate Crops If Possible.

ing their crops they reduce the injury trol of Documes and Insert Enemies of from plant discusses and inserts and the Home Vegetable Garden." It disalso increase the fertility of the soil. This principle applies to the home garden, where, if possible, it will be poisons and how to prepare stid use better to make a new plan each year, placing each vegetable where some other grow the year before-peas on the old tomato ground beets and carrote after the corn, etc. The details of this rotation must vary in each case according to the cumate, soil, and vegetables grown and the diseases and inserts to be greated against.

Avoid introducing mesens and diseases on plants obtained for setting out Practice coun cultivation. Employ ferniners to etimulate plant suits are in favor of shallow cultivagrowth. Work on the principle that thus way specialists of the United a vigorous growing gurden will pro- States department of agriculture. The down a rest in spins of informacing series still Charges.

Become function with the inserts. and discusse graves to never in your worked, does cultication will belo to district on the rate and are growing they and acrate in. Breaking the room Equip powerf in advance with all of the plants puts he availed so fit movementy remodes and the mounts of as possible. If most are broken the applying them. Betteraber that the purposewill rapidle produce other roofs: timely application of a remedy acts but it will be at the expense of visitas an insurance against loss

Watch constantly for the first arepearance of a disease or maser. In It feet, the sail even in the middle of spect the garden at least every other the rows should not be cultivated despday. Determine what is consenz in- or than 4 mines and usually a shall jury and apply the proper treatment linear cultivation will prove better.



A Garden Properly Prepared and Cared For Has Less to Fear From Insect

promptly. Use combination treatments as often as necessary, keeping in mind he continues, "and will improve our the influence of weather conditions as well as the life history of the insect which will soon be ready to head the or fungus causing the disease.

Neighborhood Should Co-operate.

Use insecticides and fungicides in the proper dilution to accomplish the object without injuring the plants. Standard remedies are best. Test others experimentally before using them on a large scale.

Use the best sprayers. A thorough application is necessary for the best results. Adjust the sprayer so that all parts of the plant that are exposed to the air will be covered.

Work for co-operation in the neighborhood. One hadly infected or infested garden may be the source of disease infection or insect infestation for several near-by gardens. Keep your own garden clean and it will be an object lesson for careless neighbors and will have a tendency to help clean up the neighborhood. This will make control easier and cheaper anoth-

For garden insects there are several control methods that do not require the use of insecticides, but too much must not be expected from them. Of these hand picking is useful for large, comparatively inactive insects such as the potato bettle, cutworms and other seem to go together. caterpillars, and the squash bug. Another method is jarring or beating insects from low plants into large pans big part of the garden that is tor of water on which a thin scum of ker- often overlooked.

osene is floating. The water presents the meets from escaping and the kerosope, being on the surface, killsthe insects with which it comes in contact. Collecting nexts are valuable for some posts; for example, the tarnished plant bug. Brushing by different means is used to a considerable extent and consists in leating or brushing linevis from the points with pine boughs or similar brush. This method his proved of great value in combating the pen aphile. Covering with cloth is of use as a preventive for the striped nountier bestly when the commbers are quite small, and for root maggets, Trupping by different methods with nd hanrie is merul for squash bugs and cordorms. Prosepted builts max be placed under such traps. Plowing, dreing, and furrowing all can be disseby hand and are of considerable says.

Spraying Methods

To be succeeded in the control of movers and discusses seeming most be done prouply and thorough's Sprikmy with bordeens mixture should be dote before rains rather than often provided the eject has time to dry on the feaves. Intervals between sprays ing around deposit he the weather ment of agriculture have worked out, if it is make it mouse, with few of a great fainty special former for the pearsy though a ray frequently to keep straying merce of he ing them in the colone projected at all times. If

> That I am speak belonger mad, and a throughly and compromoved with

> The higher the presume the better

Couch all spreasure each time after

province recordingly spready, social as finite serve employed Get a regy-free by writing to the United States department of agricul-

Farmers have found that by rotate inco-of Farmers' Bulletin 896, "Concurves the whole subject in detail-thet various garden meets and diseases. them, spraying machiners, and the

DEPTH OF CORN CULTIVATION

Shallow Method is Favored as Result of Many Comparative Experiments by Specialists.

Muny comparative experiments of deep and shallow cultivation have been made, and on the whole the reoccasions when deep cultivation is postemble are ten. If excessive rains have recited the well and were \$5 water. o its and the field enpity. After the plants have reached a height of 2 or A lorse soil mulch 2 or 3 inches in thickness should be maintained to the penetration of rainfull-

"BETTER SIRES" LOCAL COLOR

Farmers Recognize Value of Improved Stock Even Though Living in Remote Sections.

though they are still far from reaching that good on their forms is shown correspondence reaching the pending his decision Cabrers is a prisoner. United States department of agriculture from regions where the live stock industry is undeveloped. "This founship," one farmer writes in pencil on a scrap of paper, "is interested in a better grade of cattle. There is a sawmill and a carriage shop and a blacksmith shop right by us, and I think these would be good places for your colored poster about better sires. If you will send me some I will post them up.

"We have asveral come in our harn." cows with a pure-bred Holstein built

LABORING FOR MORE

The more we work the more there is; the more there is the more to divide.

Only as all of us do our part will we contribute to this result. Edwin T. Meredith, Secretary of Agriculture

GENERAL

Humus is the chief source of supply of nitrogen.

The successful farmer is the business farmer.

Gardens and small fruit always

Growing vegetables for winter is a



and a good deal of what does swine is: subject to doubt. But at this writing tr by known-or at least stated-thar Cabrera capitalated in April to the revolutionary forces of Herrers, in systing his stronghold of La Patter. PACIFIC scrittiwest of Gurtemaia City, the capstat. OCHAN Capitulation of Cabrers followed intermittent

fighting which began when Cabrers was helding the form of san Jose and Management with an inprofession position at La Palma. All attenues to he Churera forces recipande Guatemaia City, sorre because of the constraint fraction according to we siliarly. The Berryra forces, surrounded Fire Sun Jose and compelled its supplialation. their dress a wedge between Maratrenos and La Parent and gradually surrounded the latter plan-

The loss of the among conductance was not heavy musibering the amount of amounties used, but there were many exemplies among the civilines during the bombardness of the capital and in the street fighting.

From San Salundor there are reports that more scenes and children to the number of SOC were Unted in the recent fighting in Gustemais City Numerous addiscents of Cabrers who remained faithful to their shief were killed in their nen houses. Many Contemplians who fled from the country are returning.

Cultivities face. It appears is set to be determined. At the time of his surrender his personal safety was guaranteed, according to one report Guaterials refugees in San Salvador have asked President Herrers that Cabrers be tried in a "competent court." He said in reply that his govermount was in favor of traing Cabrera in the That the value of improved live Guatemalan courts. It is further reported that stock is recognized by furmers even Cubyers has been given the alternative by the national assembly of standing trial for his "crimes" our leaving the country forever with his family,

> President Carlos Herrers is said to be the next richest Guatemalan after Caurers. The former dictator has areassed an enormous fortune, it is said, largely by confiscation of plantations and other properties in Gustemain. His principal foes are smong the land-owning class, many of whom he has driven from their country in order to can fiscate their holdings. Herrers has been tailed over and over again in order that he might be persuaded to give a "voluntary contribution" toward running the government. Cabrers, it is said. becoming bored finally at this constant round of arresting Herrera, remarked that the only way of getting all Herrera's money away from him was to kill him. However, he was afraid that foreign parious might object to this, because of the secand richest man's great prominence, so he reluctantly allowed him to stay alive, and that is where Cabrera evidently made a mistake. Apparently Herrers must have become bored by his many arrests-or else he was afraid that Cabrera might change his mind.

> Grim old Cabrera fought hard to turn the fables on his enemies, as he has so often done before in his sensational career. At one time his forces, hemming in the capital from every side, had begun bombarding it; and the dictator's re-

> entry into the city was imminent. And Guatemala knows only too well what such a re-entry means, says T. R. Ybarra in the New York Times, writing just before Cabrera's surrender. There have been plenty of plots against Cabrera before, and each time plenty of menwomen, too, in some cases-have been stood up against a walt and shot. His way, since he came to power in Gustemala in 1808, has been soaked in blood; the prisons have been packed with his political opponents; mysterious stories have been constantly told of how influential foes of his have disappeared forever, leaving no trace of what befell them.

> For Cabrera takes no chances. Even his apologists admit that his methods are, to put it mildly, drastic. One of them wrote in the course of a favorable estimate of the Guatemaian dictator: "Doubtless he has overplayed the 'Off with his

head!" game." If that is what an admirer puts it, think of what his enemies have to say! Cabrers is the last of the breed of genuine Latin-American dictators. He is an anachronism.

He has projected formed into an era in which precidency waying in price from theirle by density are 1 million to matastromatic in which there is alto, that he much libered around Lat-IN ADDRESS OF PERSONS AND ADDRESS AND ADDRESS. stronge things provident in North America

Yet, in the very malet of this ern, Malore Exman tabren audatoned househ empiric his fingers at all attempts in aust him. He hards the social recent for excepting assessmatting

tinty two long-distance nutocrats of Latin-America have ruled more than Cabrera's total of J years Portico Tona of Mexico and In Francis, the famous ruler of Paraguay. The other most famous dictation of Central and South Amer ics, despite the long terms of office, have not sur eveded in equaling Cabrera's total of years at of his native land Telephonic ...

votes' of his fellow countryment. Mannet Estrada Cabrera was born November 21, 1857, at the city of Quezaltenange, in the interior of Guatemaia. He studied law at the narangal capital and was appointed povernor of the Department of Retalliable and, in 1886, chief justice of his native city of Quesalressange. But these posts were not big etimude for his ambitions. He managed to get himself appointed "Segundo Designado," or second vice president of the republic And then, when President Barrios. -quite a long-distance ruler himself-was assessingled in 1808. Cubrers saw his chance. As second vice president, he was not the man who would automatically succeed Harries—there was a first vice president in the way. But that trifle didn't bother him. He is said to have waited into a meeting of the hig men of the Barrios government, laid a revolver down on the table before them, and remarked:

Gentlemen, I am president of Guaremaia :-He was right. And he has been president of Guatemala ever since. The term "president," as has been hinted, is putting it far too mildly. A ezar in the palmiest days of rantism, a Roman emperor at the height of imperial Rome's power, a blood-thirsty despot of the far east, might well envy Manuel Estrada Cabrera, firmly seated on his Central American throne in this year of grace 1920, cheerfully acting in a way that would have made a tyrant of antiquity blush for fear that he was overdoing things.

His rule was absolute. His capacity for attending to details, for keeping an eye on everything that would insure his remaining sole arbiter of Guatemalan destinies, was simply murvelous. The members of the Guatemalan assembly, though it is externally a perfectly good legislative body. modeled on the parliaments of really democratic lands, are simply his creatures or so his enemies His cabinet ministers are slaves. Everywhere Cabrera has spies. Nobody, native or foreign, enters or leaves Guatemaia without having his every move reported to the despot. So terrible is this system of espionage, so acute the suspicion aroused by the dictator's methods, so well known his ruthlessness when once he has decided to swoop down on somebody, that his name is never mentioned in Guatemala except in whispers. Every man suspects his neighbor.

He has a large army, which he keeps efficient, since he realizes quite well that his power rests on bayonets. The private soldlers are recruited by force and get only a few cents a day. The officers, too, are poorly paid, but they, like the etvilian officials of Cabrers, are not, according to common belief, deprived of means of improving their stipends.

Cabrers has escaped assassination in miraculous ways. The attempts to kill him have been far from bungling essays by amateurs; they show a skill in planning that should place them high among the classics of their kind. As a result of

three excess attempts on the life, Cabrers, it is 8605. Henry at halled priest road. Another Miley 18. to the effect that, fearing poison, he would take no first except that specially prepared for him by his morner, which was served to him in a her metically closes, steel curket which he access sent at table

There seems small room for doubt that Cabrence regime concertbless and his methods in terly despoted, but his defenders make that, in the whose, his long reign has brought more good thats. sell to Guiteriana. He has improved the country w finances, they say, carried our many important public works, refurmed and liberalized the laws. factored agraculture, introduced modern systems. of samitation. Above all, they dectare, he have shown Limself such a evalous believer in editation that he has meralled in Guaneman a reallyup-to-date school system based on American mod-

During the great war the Guatemalan dieta tor, according to report, was instrumental in hipping in the bud a German plut for causing revolutionary outbreaks throughout the five Central American republics and extending them, if possible, to Panama and Colembia. The German minister at Contemata, Herr Lehmann, was said to be the master mind behind this plot, and Herr Eckhardt, German minister at Mexico, was also named as one of its instigators. Cabrers, it was said, get wind of it, warned the United States govern-

ment, and thus effectually blocked its progress. Posterio Diaz ruled over Mexico from 1872 to-1880 and from 1884 to 1911. Francia was absolute amorest in Paraguay from 1814 to his death in 1840. His successor Lopes I, kept himself in power for 22 years and then turned the government over his son, Lopez II. Rosas despot of the Argentine, ruled from 1825 to 1842. Blanco, the Venezuelan dictator, ruled for 18 years,

Antonio Guzman Blanco was a little different from the rest of these dictators. He came intopower in 1870 and his movel methods gave himeighteen years of ascendancy. Unlike Cabrera, Rosas, Francia, Diaz and the rest, Guzman Blanco. was clever enough to keep the reins of power in his hands without sticking close to the job. Several times he went to Paris to have a good time, leaving "presidents" in his place who administered Venezuela in his absence without for a moment questioning his authority as the real boss of the show. But one of these substitutes, Dr. Roins Paul, got tired of being president in name only and, in 1888, suddenly announced that he would no longer take orders from Guzman Blance. then comfortably enjoying himself in Paris. The dictator threatened all sorts of terrible things as soon as he got back to his capital, but Rejas Paul had chosen a psychological moment. Guzman Blanco never dared to assert his authority againand, what is more, never dared return to his nafive land. Though surrounded in Paris by every luxury that wealth could buy, yet he died a brokenhearted exile, yearning to return to Venezuela. eagerly questioning every Venezuelan visitor for the latest news from home

Junn Vicente Gomez of Venezuela has been "president" for 12 years,